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Term	Documents
CRYOPROTECTANT	1193
CRYOPROTECTANTS	662
(34 AND CRYOPROTECTANT).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3
(L34 AND "CRYOPROTECTANT").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	3

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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FILE 'CAPLUS, TOXCENTER, USPATFULL' ENTERED AT 20:14:11 ON 12 DEC 2003

L9 8 S L8
L10 7 DUP REM L9 (1 DUPLICATE REMOVED)
L11 0 S L10 AND PLANT CELLS

=>

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L35</u>	L34 and "cryoprotectant"	3	<u>L35</u>
<u>L34</u>	l31 and "cryopreserved"	46	<u>L34</u>
<u>L33</u>	"transplanting cryopreserved cells"	0	<u>L33</u>
<u>L32</u>	L31 and "cryopreserved plant cells"	0	<u>L32</u>
<u>L31</u>	"transplantation" and "plant cells"	2283	<u>L31</u>
<u>L30</u>	L29 and "cryoprotectant"	36	<u>L30</u>
<u>L29</u>	L28 and "incubating" and "thawing"	207	<u>L29</u>
<u>L28</u>	"plant cells" and "recovery"	7182	<u>L28</u>
<u>L27</u>	L26 and "recovering cells"	33	<u>L27</u>
<u>L26</u>	"thawing" and "incubating" and "recovery"	876	<u>L26</u>
<u>L25</u>	L24 and "cryoprotectant"	24	<u>L25</u>
<u>L24</u>	l17 and "cryopreserved cells"	44	<u>L24</u>
<u>L23</u>	L22 and "ethylene inhibitor"	0	<u>L23</u>
<u>L22</u>	L21 and "cryoprotectant"	24	<u>L22</u>
<u>L21</u>	l19 and "Brassica"	54	<u>L21</u>
<u>L20</u>	L19 and "Atropa"	1	<u>L20</u>
<u>L19</u>	L18 and "monocots"	72	<u>L19</u>
<u>L18</u>	L17 and "plant cells"	358	<u>L18</u>
<u>L17</u>	"thawing" and "incubating"	2280	<u>L17</u>
<u>L16</u>	L15 and "Zea"	27	<u>L16</u>
<u>L15</u>	L14 and "incubating"	42	<u>L15</u>
<u>L14</u>	L13 and "cryoprotectants"	62	<u>L14</u>
<u>L13</u>	"thawing" and "plant cells"	874	<u>L13</u>
<u>L12</u>	"thawing plant cells"	1	<u>L12</u>
<u>L11</u>	"thawing cells" and "cryoprotective agent"	18	<u>L11</u>
<u>L10</u>	"thawing cells" and "silver salt"	8	<u>L10</u>
<u>L9</u>	l2 and "silver salt"	2	<u>L9</u>
<u>L8</u>	l4 and "silver salt"	2	<u>L8</u>
<u>L7</u>	l4 and "sucrose"	50	<u>L7</u>
<u>L6</u>	l4 and "Avena"	4	<u>L6</u>
<u>L5</u>	L4 and "Taxus"	4	<u>L5</u>
<u>L4</u>	L3 and "thawing"	81	<u>L4</u>
<u>L3</u>	L2 and "recovery"	134	<u>L3</u>
<u>L2</u>	"cryopreserved cells"	213	<u>L2</u>
<u>L1</u>	"recovery" and "cryopreserved plant cells"	6	<u>L1</u>

END OF SEARCH HISTORY

ER 1 OF 1 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1
AN 1982:181953 BIOSIS
DN PREV198273041937; BA73:41937
TI EXTENSION OF LOCALIZED FREEZE INJURY IN BARLEY BY ACUTE POST THAW
BACTERIAL DISEASE.
AU OLIEN C R [Reprint author]; SMITH M N
CS DEP CROP SOIL SCI, MICH STATE UNIV, EAST LANSING, MICH 48824, USA
SO Cryobiology, (1981) Vol. 18, No. 4, pp. 404-409.
CODEN: CRYBAS. ISSN: 0011-2240.
DT Article
FS BA
LA ENGLISH

=> d hist

(FILE 'HOME' ENTERED AT 20:04:45 ON 12 DEC 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 20:05:00 ON 12 DEC
2003

SEA THAWING PLANT CELLS AND CRYOPROTECTANT? AND INCUBATING? (P)T

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML

L1 QUE THAWING PLANT CELLS AND CRYOPROTECTANT? AND INCUBATING? (P)

SEA THAW? (P)CELLS AND INCUBAT? AND CRYOPROTECT?

0* FILE ADISNEWS
5 FILE AGRICOLA
5 FILE AQUASCI
0* FILE BIOCOMMERCE
44 FILE BIOSIS
8* FILE BIOTECHABS
8* FILE BIOTECHDS
7* FILE BIOTECHNO
20 FILE CABA
2 FILE CANCERLIT
35 FILE CAPLUS
1* FILE CEABA-VTB
0* FILE CIN
4 FILE DISSABS
1 FILE DRUGU

15 FILE EMBASE
8* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
12 FILE IFIPAT
14 FILE JICST-EPLUS
0* FILE KOSMET
8 FILE LIFESCI
0* FILE MEDICONF
35 FILE MEDLINE
1* FILE NTIS
0* FILE NUTRACEUT
2 FILE OCEAN
9* FILE PASCAL
0* FILE PHARMAML
30 FILE SCISEARCH
19 FILE TOXCENTER
413 FILE USPATFULL
9 FILE USPAT2
9 FILE VETU
6 FILE WPIDS
6 FILE WPINDEX
L2 QUE THAW?(P) CELLS AND INCUBAT? AND CRYOPROTECT?

SEA PLANT CELLS AND L2

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
3 FILE BIOSIS
1* FILE BIOTECHABS
1* FILE BIOTECHDS
0* FILE BIOTECHNO
1 FILE CABA
2 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
3 FILE IFIPAT
1 FILE JICST-EPLUS
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
1 FILE SCISEARCH
1 FILE TOXCENTER
78 FILE USPATFULL
2 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX

L3 QUE PLANT CELLS AND L2

SEA L3 AND POST-THAW(P) INCUBAT?

0* FILE ADISNEWS

0* FILE BIOCOMMERCE
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML

L4 QUE L3 AND POST-THAW(P) INCUBAT?

SEA POST-THAW(P) INCUBAT? AND RECOVER? AND PLANT CELLS AND THAW?

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
1 FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
0* FILE KOSMET
1 FILE LIFESCI
0* FILE MEDICONF
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
1 FILE TOXCENTER

L5 QUE POST-THAW(P) INCUBAT? AND RECOVER? AND PLANT CELLS AND THAW

FILE 'BIOSIS, LIFESCI, TOXCENTER' ENTERED AT 20:12:03 ON 12 DEC 2003

L6 3 S L5

L7 1 DUP REM L6 (2 DUPLICATES REMOVED)

=>

L10 ANSWER 1 OF 7 USPATFULL on STN
AN 2003:78411 USPATFULL
TI Preservation of non embryonic cells from non hematopoietic tissues
IN Fraser, John K., Los Angeles, CA, UNITED STATES
Hedrick, Marc H., Encino, CA, UNITED STATES
PA STEM SOURCE, INC. (U.S. corporation)
PI US 2003054331 A1 20030320
AI US 2002-242094 A1 20020912 (10)
PRAI US 2001-322070P 20010914 (60)
DT Utility
FS APPLICATION
LN.CNT 1440
INCL INCLM: 435/002.000
INCLS: 435/366.000
NCL NCLM: 435/002.000
NCLS: 435/366.000
IC [7]
ICM: A01N001-02
ICS: C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 2 OF 7 USPATFULL on STN
AN 2000:31249 USPATFULL
TI Method and media for enhancing cryopreservation of cells
IN Cameron, Don F., Lutz, FL, United States
Sanberg, Paul R., Springhill, FL, United States
Borlongan, Cesario V., Lutz, FL, United States
Saporta, Samuel, Tampa, FL, United States
PA The University of South Florida, Tampa, FL, United States (U.S. corporation)
PI US 6037175 20000314
AI US 1996-615039 19960312 (8)
DT Utility
FS Granted
LN.CNT 584
INCL INCLM: 435/374.000
INCLS: 435/375.000; 435/001.300; 435/404.000; 435/406.000; 435/366.000
NCL NCLM: 435/374.000
NCLS: 435/001.300; 435/366.000; 435/375.000; 435/404.000; 435/406.000
IC [7]
ICM: A01N001-02
EXF 435/404; 435/406; 435/366; 435/1.3; 435/375; 435/374

L10 ANSWER 3 OF 7 USPATFULL on STN
AN 1999:99585 USPATFULL
TI Method and media for enhancing viability maturation, and
cryopreservation of cells
IN Sanberg, Paul R., Spring Hill, FL, United States
Othberg, Agneta, Tampa, FL, United States
Cameron, Don F., Lutz, FL, United States
Saporta, Samuel, Tampa, FL, United States
Borlongan, Cesario V., Silver Springs, MD, United States
PA University of South Florida, Tampa, FL, United States (U.S. corporation)
PI US 5942437 19990824
AI US 1997-799108 19970211 (8)
RLI Continuation-in-part of Ser. No. US 1996-615039, filed on 12 Mar 1996
DT Utility
FS Granted
LN.CNT 1366
INCL INCLM: 435/374.000
INCLS: 435/001.300; 435/347.000; 435/325.000; 424/093.700
NCL NCLM: 435/374.000
NCLS: 424/093.700; 435/001.300; 435/325.000; 435/347.000

IC [6]
ICM: A01N063-00
EXF 424/93.7; 435/325; 435/347; 435/374; 435/1.3

L10 ANSWER 4 OF 7 USPATFULL on STN
AN 1999:48192 USPATFULL
TI Method of thawing cryopreserved cells
IN Chandler, Barbara A., Lexington, MA, United States
Borland, Kermit M., Shrewsbury, MA, United States
Cain, Shawn P., North Chelmsford, MA, United States
Mullon, Claudy J-P., Framingham, MA, United States
PA W.R. Grace & Co.-Conn., Lexington, MA, United States (U.S. corporation)
PI US 5895745 19990420
AI US 1996-719769 19960925 (8)
DT Utility
FS Granted
LN.CNT 387
INCL INCLM: 435/002.000
INCLS: 435/325.000; 436/018.000
NCL NCLM: 435/002.000
NCLS: 435/325.000; 436/018.000
IC [6]
ICM: A01N001-02
ICS: C12N005-00; G01N031-00
EXF 435/325; 435/2; 436/18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 7 USPATFULL on STN
AN 95:52253 USPATFULL
TI Process of revitalizing cells prior to cryopreservation
IN Carpenter, John F., Marietta, GA, United States
Brockbank, Kelvin G. M., Marietta, GA, United States
PA Cryolife, Inc., Marietta, GA, United States (U.S. corporation)
PI US 5424207 19950613
AI US 1992-927768 19920810 (7)
RLI Division of Ser. No. US 1989-344013, filed on 26 Apr 1989, now patented,
Pat. No. US 5171660
DT Utility
FS Granted
LN.CNT 692
INCL INCLM: 435/260.000
INCLS: 435/001.000; 435/240.100; 435/240.200
NCL NCLM: 435/260.000
NCLS: 435/001.300
IC [6]
ICM: C12N001-00
ICS: C12N001-04
EXF 435/1; 435/2; 435/240.1; 435/240.2; 435/260

L10 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1
AN 1994:101115 CAPLUS
DN 120:101115
TI Cryopreservation of human adult hepatocytes for use in drug metabolism and
toxicity studies
AU Coundouris, J. A.; Grant, M. H.; Engeset, J.; Petrie, J. C.; Hawksworth,
G. M.
CS Dep. Med. Ther., Univ. Aberdeen, Aberdeen, AB9 2ZD, UK
SO Xenobiotica (1993), 23(12), 1399-409
CODEN: XENOHB; ISSN: 0049-8254
DT Journal
LA English

L10 ANSWER 7 OF 7 USPATFULL on STN
AN 92:102976 USPATFULL

TI Process of revitalizing cells and tissue prior to cryopreservation
IN Carpenter, John F., Marietta, GA, United States
 Brockbank, Kelvin G. M., Marietta, GA, United States
PA Cryolife, Inc., Marietta, GA, United States (U.S. corporation)
PI US 5171660 19921215
AI US 1989-344013 19890426 (7)
DT Utility
FS Granted
LN.CNT 570
INCL INCLM: 435/001.000
 INCLS: 435/240.100; 435/240.200
NCL NCLM: 435/001.100
 NCLS: 435/374.000
IC [5]
 ICM: A01N001-02
EXF 435/1; 435/240.1; 435/240.2

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